Title (en)
DATA DRIVER, DISPLAY APPARATUS INCLUDING THE SAME

Title (de)
DATENTREIBER, ANZEIGEVORRICHTUNG DAMIT

Title (fr)
PILOTE DE DONNÉES, APPAREIL D'AFFICHAGE LE COMPRENANT

Publication
EP 3905232 A1 20211103 (EN)

Application
EP 21170575 A 20210427

Priority
KR 20200051673 A 20200428

Abstract (en)
A data driver includes a digital to analog converter, a buffer and a buffer controller. The digital to analog converter is configured to receive a data signal having a digital type and to convert the data signal into a data voltage having an analog type. The buffer is configured to buffer the data voltage and to output the data voltage. The buffer controller is configured to determine a parameter of the buffer based on previous line data of the data signal and present line data of the data signal.

IPC 8 full level
G09G 3/20 (2006.01); G09G 3/3275 (2016.01)

CPC (source: CN EP KR US)
G09G 3/20 (2013.01 - CN EP US); G09G 3/3275 (2013.01 - KR); G09G 3/3685 (2013.01 - KR); G09G 3/3275 (2013.01 - EP); G09G 3/3688 (2013.01 - EP); G09G 2300/0857 (2013.01 - US); G09G 2310/0275 (2013.01 - EP KR US); G09G 2310/0291 (2013.01 - EP US); G09G 2330/021 (2013.01 - CN US); G09G 2330/023 (2013.01 - EP); H03M 1/66 (2013.01 - US)

Citation (search report)
- [XI] US 2016049133 A1 20160218 - PARK SUHYEONG [KR], et al
- [A] US 2008278473 A1 20081113 - AN CHANG HO [KR]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3905232 A1 20211103; CN 113570993 A 20211029; KR 20210133358 A 20211108; US 11443672 B2 20220913; US 2021335182 A1 20211028

DOCDB simple family (application)
EP 21170575 A 20210427; CN 202110467251 A 20210428; KR 20200051673 A 20200428; US 202117241746 A 20210427